BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: **Estimate for Improvements to Roads and Drains at Kempegowdanagara in Ward No. 09 (Vidyaranyapura).**

							Est Cost Rs.		2500000.00
Sl	**Description of item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**	**Rate**	**Amount**
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 142 / Item No. 19.1 / PWD SR 2016-17**	Cum							
	Cross Road		1	160.00	4.00	0.20	128.00		
			1	170.00	4.30	0.20	146.20		
	Basic Rate	82.00					**274.20**	199.36	**54666.00**
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 Tonne / km = 38.08	38.08							
		188.08							
	Area Weightage @ 6%	11.28							
	Total	**199.36**							
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12 / Item No. 4.3 / PWD SR 2016-17**	Cum							
	Cross Road		1	160.00	4.00	0.15	96.00		
			1	170.00	4.30	0.15	109.65		
	Basic Rate	4867.00					**205.65**	5159.02	**1060952.00**
	Area Weightage @ 6%	292.02							
	Total	**5159.02**							

Sl	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. **- M20 (at 300Kg per cum coarse aggregate @**	Cum							
	Cross Road		1	160.00	4.00	0.125	80.00		
			1	170.00	4.30	0.125	91.38		
	Basic Rate	5197.00					**171.38**	5508.82	**944074.00**
	Area Weightage @ 6%	311.82							
	Total	**5508.82**							
4	KSRB 4-6.4 : Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for **vertical surface** such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No. 15 / It No. 4.31 PWD SR 2016-17**	Sqm							
	Cross Road		2	160.00		0.30	96.00		
			2	170.00		0.30	102.00		
	Basic Rate	293.00					**198.00**	310.58	**61495.00**
	Area Weightage @ 6%	17.58							
	Total	**310.58**							
5	**Vaccum De-watering** with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery Screed Vibratiry, Power Floater, blade and disc etc., with all lead and lift No. **174 / Item No. 22.7 / PWD SR 2016-17**	Sqm							
	Cross Road		1	160.00	4.00		640.00		
			1	170.00	4.30		731.00		
	Basic Rate	90.00					**1371.00**	95.40	**130793.00**
	Area Weightage @ 6%	5.40							
	Total	**95.40**							

Sl	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Sub Total								2251980.00
	KRIDL Charges @ 10%								225198.00
	Labour Cess @ 1%								22520.00
	Add for unforseen and rounding off	L/S							302.00
								Total	2500000.00
Rupees Twenty Five lakhs Only									

Certificate:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2016-17.
3 This work included under 2017-18 24.10% Grant.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

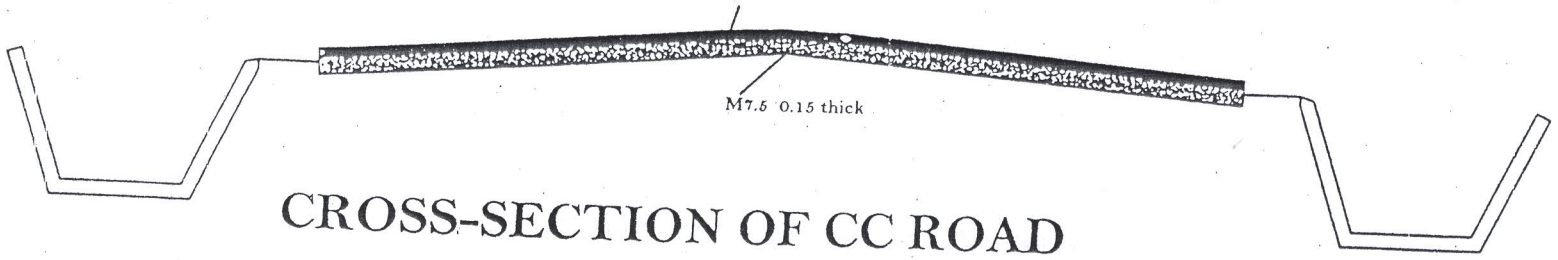
Executive Engineer 11/12
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division
11/12

ADMINISTRATIVE APPROVAL
Accorded For Rs. Twenty Five lakhs only
Head of A/c. P-1878
Div. Ref. No. 48/17-18 Date. 11/12/17
11/12
AE
EE(BTP) 11/12

Technical Sanction
Accorded for 25.00 lakh Rs.
Head of A/C. P1878
CER NO : 417 Dt:. 11/12/17
TA
CE (YNK).

NAME OF WORK:-

Improvements to Roads and Drains at Kempegowdanagara in ward no: 9



CROSS-SECTION OF CC ROAD

INDEX

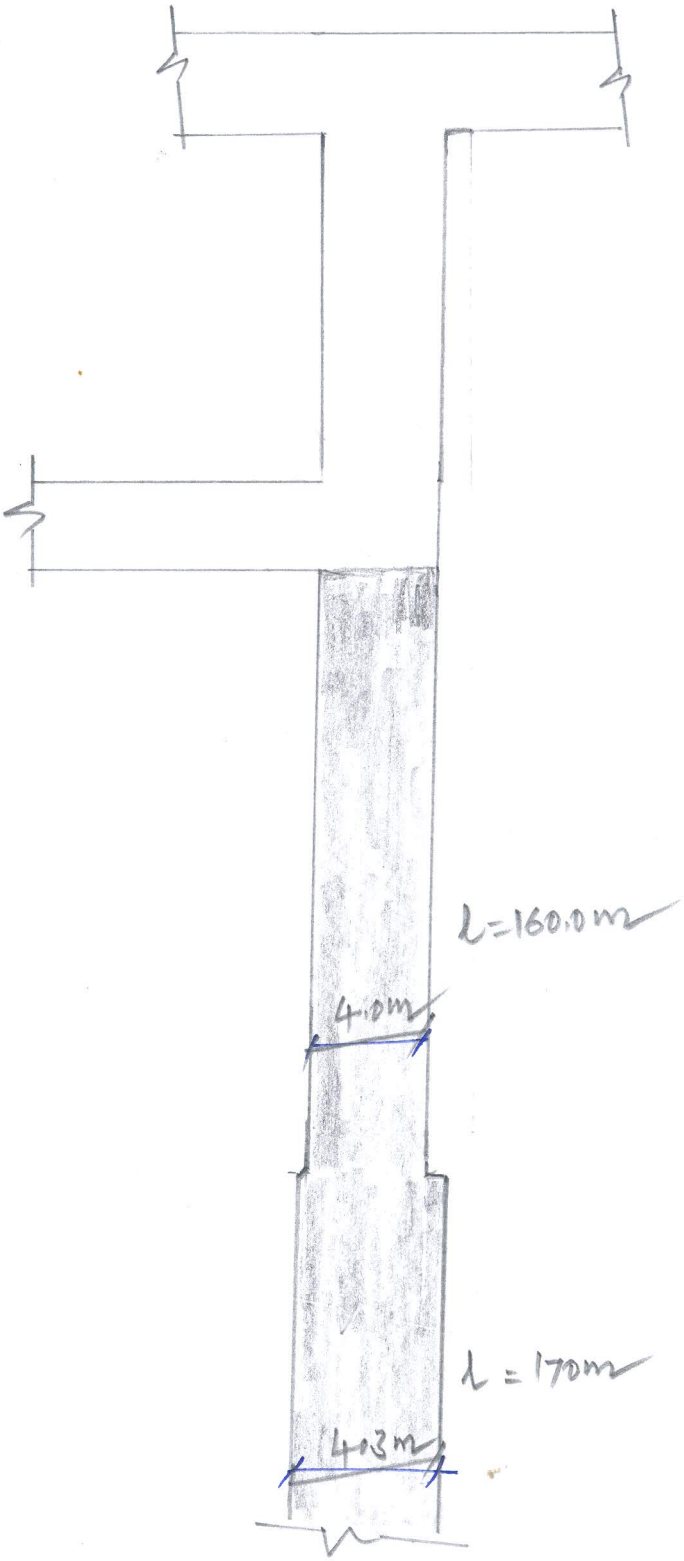
M7.5 1:4:8 0.15m Thick

M20 1:1.5:3 0.10m Thick

ASSISTANT ENGINEER

ASSISTANT EXECUTIVE ENGINEER
VIDYARANYAPURA SUB DIVISION.

Name of work: Improvements to Roads and Drains at Kempegandanagara in Ward no: 9.



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